



Edward J. Kessler Jorge A. Goldstein David K.S. Cornwe Tracy-Gene G. Durkin Michele A. Cimbala Michael B. Ray Robert E. Sokohl Eric K. Steffe Michael Q. Lee Steven R. Ludwig John M. Covert Linda E. Alcom Robert C. Millonig Lawrence B. Bugaisky Donald J. Featherstone Michael V. Messinger

Judith U. Kim Timothy J. Shea, Jr. Patrick E. Garrett Albert L. Ferro Albert L. Ferro
Donald R. Banowit
Peter A. Jackman
Molly A. McCall
Teresa U. Medler
Jeffrey S. Weaver
Kendrick P. Patterson
Vincent J. Cantland Vincent L. Capuano Eldora Ellison Floyd Thomas C. Fiala Brian J. Del Buono Virgil Lee Beaston Kimberly N. Reddick

Theodore A. Wood Elizabeth J. Haanes Joseph S. Ostroff Frank R. Cottingham Christine M. Unglier Rae Lynn Prengaman Jane Shershenovich* Lawrence J. Carroll* George S. Bardmesser Daniel A. Klein* Jason D. Eisenberg Michael D. Specht Andrea J. Karnage Tracy L. Muller* LuAnne M. Yuricek* John J. Figueroa Ann E. Summerfield Tiera S. Coston'

Aric W. Ledford*

Registered Patent Agents • Karen R. Markowicz Nancy J. Leith Helene C Carlson Gaby L. Longsworth Matthew J. Dowd Aaron L. Schwartz Mary B. Tung Katrina Y. Pei Quach Bryan L. Skelton Robert A. Schwartzmar Timothy A. Doyle Jennifer R. Mahalingappa Teresa A. Colella Jeffrey S. Lundgren Victoria S. Rutherford Eric D. Hayes

Of Counsel Kenneth C. Bass III Evan R. Smith

*Admitted only in Maryland *Admitted only in Virginia •Practice Limited to Federal Agencies

November 24, 2003

WRITER'S DIRECT NUMBER: (202) 772-8673 INTERNET ADDRESS: JCOVERT@SKGF.COM

Art Unit To Be Assigned

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Utility Patent Application

Appl. No. To Be Assigned; Filed: July 21, 2003 10, 62258/

Inhibitors of Copper-Containing Amine Oxidases For:

Inventors:

Smith et al.

Our Ref:

1708.0270002/JMC/RHD

Sir:

Transmitted herewith for appropriate action are the following documents:

- Information Disclosure Statement; 1.
- 2. 4 pages of Form PTO-1449 citing 12 documents;
- 3. First Supplemental Information Disclosure Statement:
- 4. 4 pages of Form PTO-1449 citing 15 documents:
- 5. Copy of document AR8; and
- 6. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents November 24, 2003 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

John M. Covert

Attorney for Applicants

Registration No. 38,759

JMC/RHD:cpn Enclosures

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Smith et al.

Appl. No. To Be Assigned

Filed: July 21, 2003

Inhibitors of Copper-Containing For:

Amine Oxidases

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Art Unit:

To Be Assigned

Examiner:

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Atty. Docket: 1708.0270002/JMC/RHD

Information Disclosure Statement

Commissioner for Patents Washington, D.C. 20231

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. 09/898,003, filed July 5, 2001, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of the documents are not attached. 37 C.F.R. § 1.98(d).

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned representative submits the following in regard to non-English language documents AS1 and AT4 cited on Form PTO 1449:

Document AS1, Grifantini et al., Il Farmaco Ed. Sci. 23:197-203 (1968), purportedly discloses alkyl- and acyl-derivatives of N-amino-1-ephedrine and N-amino-dpseudoephedrine and the corresponding 4,5-dimethyl-6-phenyl-5,6-dihydro-4H-1,3,4-oxadiazine isomers. An English-language abstract of this publication appears on the first page of the document (page 197).

Document AT4, Takahashi et al, Yakugaku Zasshi 101:1154-1156 (1981), purportedly discloses a number of N-alkylaminoephedrine derivatives having methyl, ethyl, isopropyl, and benzyl groups. An English-language abstract of this publication appears on the first page of the document (page 1154).

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

John M. Covert

Attorney for Applicants Registration No.38,759

Date: Nov 24, 2003

1100 New York Avenue, N.W. Suite 600 Washington, D.C. 20005-3934 (202) 371-2600

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Smith et al.

Appl. No. To Be Assigned

Filed: July 21, 2003

For:

Inhibitors of Copper-Containing

Amine Oxidases

Art Unit:

To Be Assigned

Examiner:

To Be Assigned

Atty. Docket: 1708.0270002/JMC/RHD

First Supplemental Information Disclosure Statement

Commissioner for Patents Washington, D.C. 20231

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. The numbering on this First Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Information Disclosure Statement filed herewith in connection with the abovecaptioned application. A copy of document AR8 is attached.

Copies of the documents AA1, AL1, AM1, and AR5-AT7 were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. 09/898,003, filed July 5, 2001, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

Copies of documents AB1 and AC1 are not provided in accordance with the U.S. Patent and Trademark Office pre-OG notice of July 11, 2003, which states "[t]he Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003."

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned representative submits the following in regard to non-English language documents AS1, AS5 and AS6 cited on Form PTO-1449:

Document AS1, Grifantini, M. et al., Il Farmaco Ed. Sci. 23:197-203, (1968), cited in Applicants' Information Disclosure Statement filed on January 24, 2002, is in the Italian language. An English language abstract of document AS1 is attached as document AR7.

Document AS5, Ioffe, B.F., and Potekhin, A.A., *Tetrahedron Lett.* 36:3505-3508 (1967) is in German language. An English language abstract of document AS5 is attached as document AS7.

Document AS6, Schmitz, E., et al., Liebigs Ann. Chem. 1043-1046 (1983) is in the German language. An English language abstract of document AS6 appears on the first page of the document (page 1043).

Document AT4, Takahashi, H., et al., Yakugaku Zasshi 101:1154-1156 (1981), cited in Applicants' Information Disclosure Statement filed on January 24, 2002, is in the Japanese language. An English language abstract of document AT4 is attached as document AT7.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Smith et al. Appl. No. To Be Assigned

- 3 -

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered. This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

This First Supplemental Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.

Consideration of the cited documents and making the same of record in the prosecution of the above-identified application is respectfully requested. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

ney for Applicants egistration No. 38,759

Y/Mr. 24, 2003

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600

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| APPLICANT Smith et al. | | | | | | | | |
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| | AS | <u>1</u> | Grifantini, M., et al., "Derivati Delle N-Ammino-1-Efedrina E N-Ammino-d-Pseudoefedrina Ad Attivita Antidepressiva," Il Farmaco Ed. Sci. 23: 197-203, Il Farmaco (1968). | | | | | |
| | AT | <u>1</u> | Lizcano, J.M., et al., "Inhibition of Bovine Lung Semicarbazide-Sensitive Amine Oxidase (SSAO) by Some Hydrazine Derivatives," Biochem. Pharmacol. 52:187-195, Elsevier Science (1996). | | | | | |
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INFORMATION DISCLOSURE STATEMENT

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| | Lyles, G.A., "Mammalian Plasma and Tissue-bound Semicarbazide-sensitive Amine Oxidases: Biochemical, Pharmacological and Toxicological Aspects," Int. J. Biochem. Cell Biol. 28:259-274, Pergamon Press (1996). | | | | | | ve Amine t. J. | |
| | AS | 2 | Lymphocyte | almi, M. and Jalkanen, S., "A 90-Kilodalton Endothelial Cell Molecule Mediating ymphocyte Binding in Humans," <i>Science 257</i> :1407-1409, American Association for he Advancement of Science (1992). | | | | |
| | AT | <u>2</u> | Unique Sia | Salmi, M. and Jalkanen, S., "Human Vascular Adhesion Protein 1 (VAP-1) Is a Unique Sialoglycoprotein that Mediates Carbohydrate-dependent Binding of Lymphocytes to Endothelial Cells," <i>J. Exp. Med.</i> 183:569-579, Rockefeller University Press (1996). | | | | |
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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1708.0270002/JMC/RHD APPLICATION NO. To Be Assigned

APPLICANT Smith et al.

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| | | | OTHER (Inc | luding Author | r, Title, Date, Pe | ertinent Pag | es, etc.) | | |
| | OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Salmi, M., et al., "Induction and Function of Vascular Adhesion Protein-1 at Sites of Inflammation," J. Exp. Med. 178:2255-2260, Rockefeller University Press (1993). | | | | | | | ein-1 at ersity Press | |
| | AS | <u>3</u> | Ligands i | Salmi, M., et al., "Homing of Mucosal Leukocytes to Joints. Distinct Endothelial Ligands in Synovium Mediate Leukocyte-subtype Secific Adhesion," J. Clin. Invest. 99:2165-2172, American Society for Clinical Investigation (1997). | | | | | Endothelial Clin. Invest. |
| | AT | <u>3</u> | Salmi, M., et al., "Vascular Adhesion Protein 1 (VAP-1) Mediates Lymphocyte Subtype-specific, Selectin-independent Recognition of Vascular Endothelium in Human Lymph Nodes," J. Exp. Med. 186:589-600, Rockefeller University Press (1997). | | | | | helium in | |
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<u>INFORMATION DISCLOSURE STATEMENT</u>

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APPLICATION NO. To Be Assigned

APPLICANT Smith et al.

FILING DATE July 21, 2003

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| ,, | AR Salmi, M., et al., "A Cell Surface Amine Oxidase Directly Controls Lymphocyte Migration," Immunity 14:265-276, Cell Press (March 2001). | | | | | | mphocyte | |
| | AS | <u>4</u> | Multifunct | , D.J., et al., "Cloning of Vascular Adhesion Protein 1 Reveals a Novel functional Adhesion Molecule," <i>J. Exp. Med. 188</i> :17-27, Rockefeller rsity Press (1998). | | | | |
| | AT | <u>4</u> | Takahashi, H., et al., "Synthesis of N-Alkylaminoephedrines and Their Effect on Bronchial Musculature," Yakugaku Zasshi 101:1154-1156, Pharmaceutical Society of Japan (1981). | | | | | Effect on Society of |
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FORM PTO-1449
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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1708.0270002/JMC/RHD

APPLICATION NO. To Be Assigned

APPLICANT Smith et al.

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| | AA1 | | 77,345 | 04/09/1968 | Trepanier et al. | | | 09/23/1966 |
| • | AB1 | 2003 | 3/0125360 A1 | 07/03/2003 | Smith et al. | | | 07/12/2001 |
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| Ioffe, B.V., and Potekhin, A.A., "Uber eine neue art von ring-ketten und die einfachsten tetrahydro-1,3,4-oxadiazinderivate," Tetrahedron 36:3505-3508, Pergamon Press, Ltd. (1967) Potekhin, A.A., and Zaitsev, B.D., "Ring-chain Tautomerism of Substi Hydrazones II. Derivatives of 1-hydrazino- and 1-(N-alkylhydrazino)-propanols," Chemistry of Heterocyclic Compounds 7:277-283, Plenum Pu Corporation (1971) | | | | | | | | |
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| ATTY. DOCKET NO. 1708.0270002/JMC/RHD | APPLICATION NO. To Be Assigned |
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| | AR | <u>6</u> | Potekhin, A.A., and Bogan'kova, E.A., "Ring-chain Tautomerism of Substituted | | | | | |
| | AS | <u>6</u> | Schmitz, E., et al., "Versuche zur N-Aminierung von Alkaloiden," <i>Liebigs Ann. Chem.</i> 1043-1046, Verlag Chemie GmbH (1983) | | | | | |
| | АТ | <u>6</u> | Tetrahydrooxa | adiazinones a | "Synthesis and Pharmaco and Some Dihydroaminooxad g Company (1968) | logical diazine: | Evaluation | of Some Chem. |
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| | AR | 7 | CAplus, Accession No. 1968:426896, CAplus English language abstract for Grifantini, M. et al., "Derivatives of N-amino-1-ephedrine and N-amino-d-pseudoephedrine having antidepressive activity," Il Farmaco Ed. Sci. 23:197-203, Il Farmaco (1968) (Document AS1 cited in Applicants' IDS filed January 2 2002) | | | | | | |
| | AS | 7 | Caplus, Accession No. 1968:78260, Caplus English language abstract for Ioffe, B.V., and Potekhin, A.A., "New type of ring-chain tautomerism and the simplest tetrahydro-1,3,4-oxadiazine derivatives," <i>Tetrahedron Lett.</i> 36:3505-3508, Pergamon Press, Ltd. (1967) (Document AS5) | | | | | | |
| | AT | 7 | CAplus, Accession No. 1982:142348, Caplus English language abstract for Takahashi, H., et al., "Synthesis of N-alkylaminoephedrines and their effect or bronchial musculature," Yakugaku Zasshi 101:1154-1156, Pharmaceutical Society of Japan (1981) (Document AT4 cited in Applicants' IDS filed January 24, 2002) | | | | | | |
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| **** | OTHER (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | | |
| | AR | <u>8</u> | Database CAPLUS, Accession No. 1991:526442, Document No. 115:126442, Abstract of Hoogenboom, L.A., et al., "Use of pig hepatocytes to study the inhibition of monoamine oxidate by furazolidone," Food Chem. Toxicol. 29:185-191 (1991), American Chemical Society (1991) | | | | | | |
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